

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Atty. Docket

AALBERT STEK ET AL

NL000685

Filed: CONCURRENTLY

Title: METHODS, OPTICAL RECORDING APPARATUS USING SUCH METHODS AND
OPTICAL RECORDING MEDIUM FOR USE BY THE METHODS AND THE APPARATUS

Commissioner for Patents, Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Prior to calculation of the filing fee and examination, please
amend the above-identified application as follows:

IN THE CLAIMS

Please amend Claims 3, 5, 8, 16, 20, 22, and 23 to be in the
form as follows. A marked up copy of the claims is included in an
appendix following this amendment for the Examiners convenience.

3. A method as claimed in claim 1, wherein the read parameter is a
modulation (M) of the amplitude of a read signal derived from
information recorded on the recording medium.

5. A method as claimed in claim 2, characterized in that the
curve-fitting of the straight line in the fourth step is carried
out in a predetermined fit range (28) of write power levels.

8. A method as claimed in claim 6, characterized in that ω_1 has a value substantially equal to 0.85 and ω_2 has a value substantially equal to 1.15.

16. An apparatus as claimed in claim 13, characterized in that the second means (101) for curve-fitting a function are arranged for setting a predetermined fit range (28) of power levels.

20. An apparatus as claimed in claim 14, characterized in that the apparatus comprises setting means for setting an optimum value (P_{opt}) of the write power level (P) in dependence on the optimum value of the write parameter.

22. An optical recording medium (1) for recording information by irradiating the recording medium by means of a radiation beam (5), the recording medium comprising an area (32) containing control information indicative of a recording process whereby information can be recorded on said recording medium, the control information comprising values of recording parameters for the recording process,

characterized in that the control information comprises a value of a multiplication constant (κ) for use in the method as claimed in claim 5.

REMARKS

The foregoing Preliminary Amendment to the claims was made solely to avoid filing the claims in the multiple dependant form so as to avoid the additional filing fee.

The claims were not amended in order to address issues of patentability and Applicants respectfully reserves all rights they may have under the Doctrine of Equivalents. Applicants furthermore reserves their right to reintroduce subject matter deleted herein at a later time during the prosecution of this application or continuing applications.

Respectfully submitted,

By 

Michael E. Marion, Reg. No. 32,266
Attorney
(914) 333-9641

APPENDIX A

3. A method as claimed in claim 1 ~~or 2~~, wherein the read parameter is a modulation (M) of the amplitude of a read signal derived from information recorded on the recording medium.

5. A method as claimed in claim 2 ~~or 4~~, characterized in that the curve-fitting of the straight line in the fourth step is carried out in a predetermined fit range (28) of write power levels.

8. A method as claimed in claim 6 ~~or 7~~, characterized in that ω_1 has a value substantially equal to 0.85 and ω_2 has a value substantially equal to 1.15.

16. An apparatus as claimed in claim 13 ~~or 14~~, characterized in that the second means (101) for curve-fitting a function are arranged for setting a predetermined fit range (28) of power levels.

20. An apparatus as claimed in ~~any of the claims 14 to 19~~ claim 14, characterized in that the apparatus comprises setting means for setting an optimum value (P_{opt}) of the write power level (P) in dependence on the optimum value of the write parameter.

22. An optical recording medium (1) for recording information by irradiating the recording medium by means of a radiation beam (5), the recording medium comprising an area (32) containing control information indicative of a recording process whereby information can be recorded on said recording medium, the control information comprising values of recording parameters for the recording process,

characterized in that the control information comprises a value of a multiplication constant (κ) for use in the method as claimed in claim 5 ~~or the apparatus as claimed in claim 9.~~

23. An optical recording medium (1) for recording information by irradiating the recording medium by means of a radiation beam (5), the recording medium comprising an area (32) containing control information indicative of a recording process whereby information can be recorded on said recording medium, the control information comprising values of recording parameters for the recording process,

characterized in that the control information comprises a value indicative of the fit range (P_{ind}) for use in the method as claimed in claim 6 ~~or the apparatus as claimed in claim 17.~~